

INTERNATIONAL SEARCH REPORT

Intern. application No	
PCT	13/03618

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04B15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 586 149 A (HOLLENBECK NEAL W ET AL) 17 December 1996 (1996-12-17)	1,7
A	column 2, line 3 - line 13 column 2, line 61 - column 4, line 24; figure 3 column 5, line 45 - line 53	2-6
A	WO 01 58068 A (ERICSSON TELEFON AB L M ;SVENSSON LARS (SE); LINDKVIST HANS (SE)) 9 August 2001 (2001-08-09) * Abstract * page 3, line 7 - line 22	1-7
A	US 5 649 160 A (CORY ALAN G ET AL) 15 July 1997 (1997-07-15) * Abstract *	1-7

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

*** Special categories of cited documents :**

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

19 December 2003

Date of mailing of the international search report

08/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Marques, G

INTERNATIONAL SEARCH REPORT

ation on patent family members

Internat. Application No

PCT/ 03/03618

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5586149	A	17-12-1996	EP	0744099 A1	27-11-1996
			WO	9618243 A1	13-06-1996
WO 0158068	A	09-08-2001	AU	4057501 A	14-08-2001
			WO	0158068 A1	09-08-2001
			EP	1254531 A1	06-11-2002
US 5649160	A	15-07-1997	AU	5563296 A	11-12-1996
			WO	9637978 A1	28-11-1996